

# EXHIBIT FF

# Coverity Scan: Mesa

<b>Project Name</b>	Mesa
<b>Lines of code analyzed</b>	4,456,637
<b>On Coverity Scan since</b>	Mar 21, 2012
<b>Last build analyzed</b>	4 days ago
<b>Language</b>	C/C++
<b>Repository URL</b>	git://anongit.freedesktop.org/mesa/mesa (git://anongit.freedesktop.org/mesa/mesa)
<b>Homepage URL</b>	http://www.mesa3d.org (http://www.mesa3d.org)
<b>License</b>	MIT (MIT license )

Want to view defects or help fix defects?

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## Analysis Metrics

Version: 22.2.0-devel

Jun 05, 2022

Last Analyzed

4,456,637

Lines of Code Analyzed

0.43

Defect Density

## Defect changes since previous build dated May 22, 2022

16

Newly detected

16

Eliminated

## Defects by status for current build

6,641

Total defects

1,919

Outstanding

4,582

Fixed

See how defect density for 'Mesa' compares with defect density for other open source projects. [?](#)  
[Learn more](#)

**Note:** Defect density is measured by the number of defects per 1,000 lines of code.

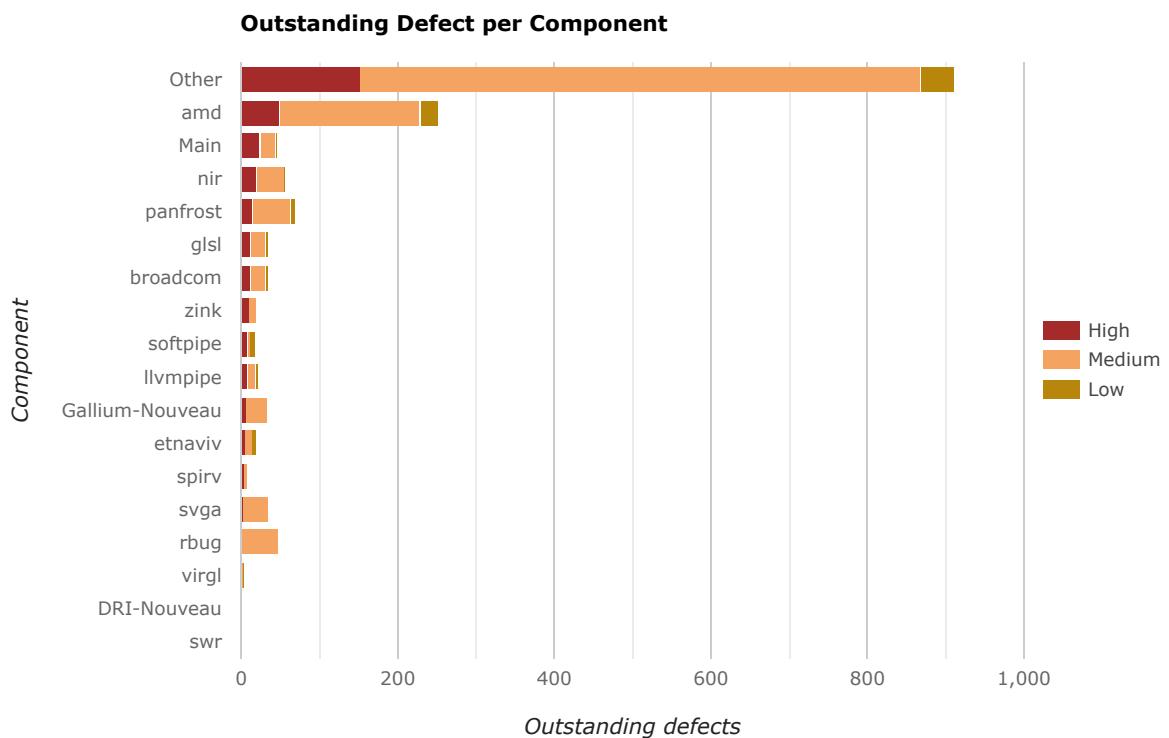
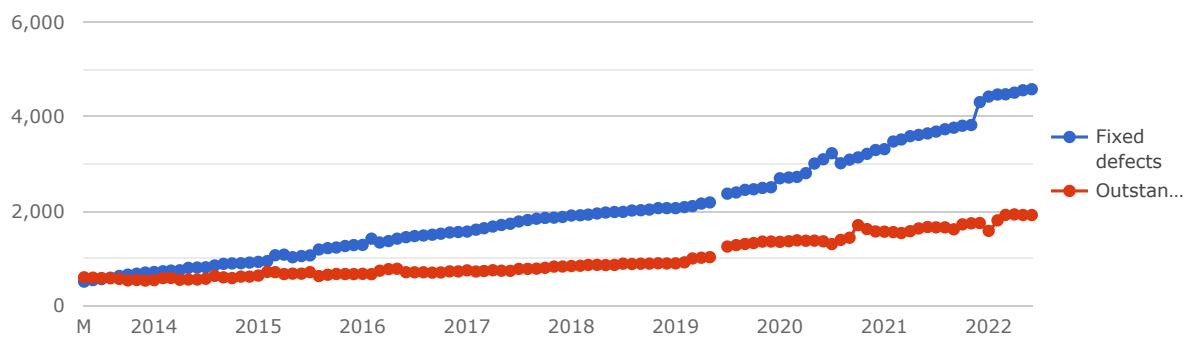
## Analysis Metrics per Components

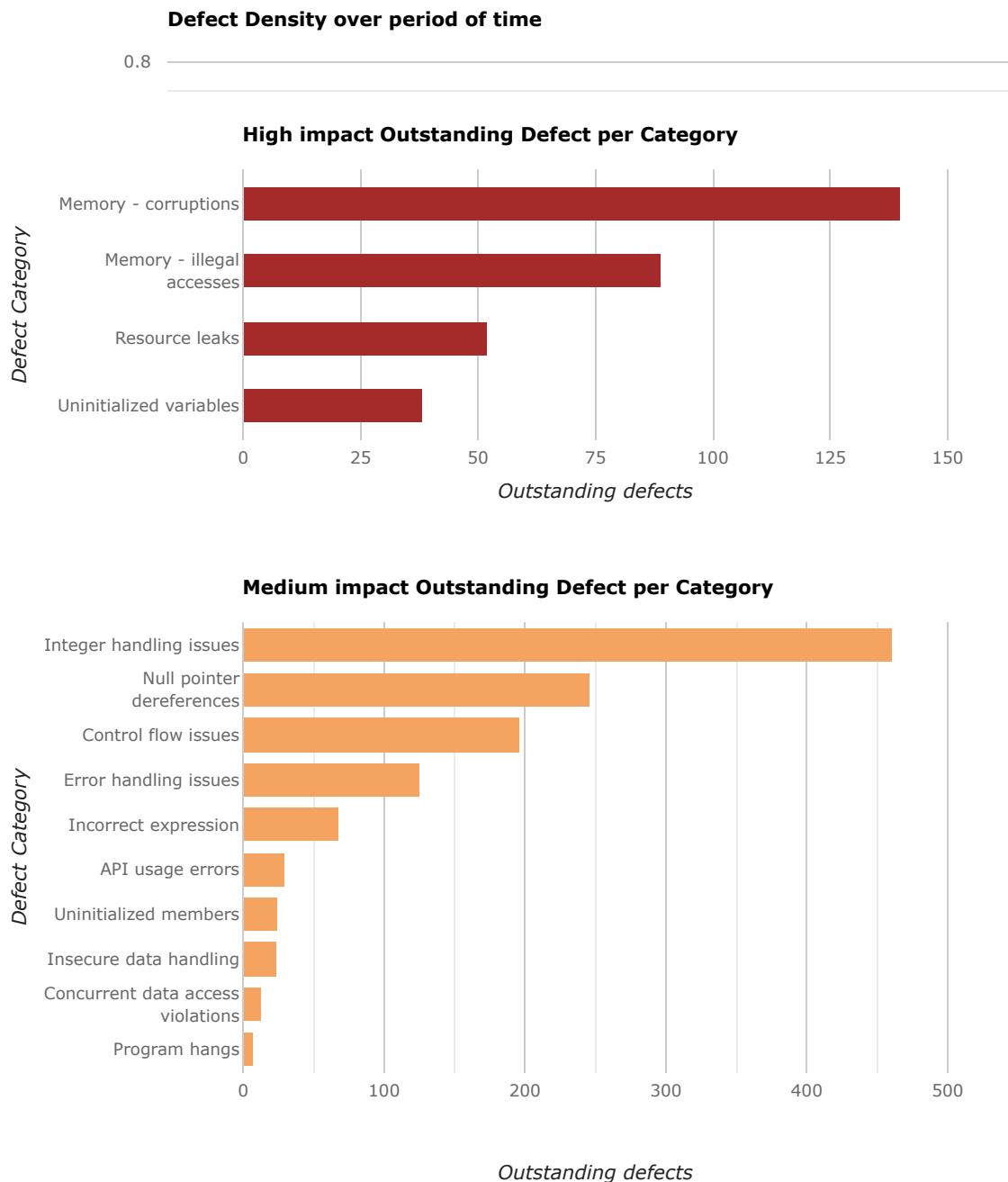
Component Name	Pattern	Ignore	Line of Code	Defect density
Main	.*/mesa/main/.*	No	145,569	0.28
Gallium-Nouveau	.*/gallium/.*/nouveau/.*	No	55,814	0.61
DRI-Nouveau	.*/mesa/drivers/.*/nouveau/.*	No	0	N/A
nir	.*/src/compiler/nir/.*	No	937,200	0.06
rbug	.*/src/gallium/.*/rbug/.*	No	2,360	20.34
amd	.*(/amd/ /amdgpu/ radeon r200 r300 r600).*	No	478,612	0.66
broadcom	.*(/broadcom/ /vc4/ /v3d/).*	No	109,213	0.36
panfrost	.*(/panfrost/ /lima/).*	No	192,226	0.38
etnaviv	.*/etnaviv/.*	No	18,039	1.05
zink	.*/zink/.*	No	33,140	0.91
virgl	.*/virgl/.*	No	9,000	0.33
swr	.*/swr/.*	No	0	N/A
svga	.*/svga/.*	No	54,917	0.67
softpipe	.*/softpipe/.*	No	11,838	2.03
llvmpipe	.*/llvmpipe/.*	No	27,528	0.87
glsl	.*/compiler/glsl/.*	No	86,857	0.47
spirv	.*/compiler/spirv/.*	No	18,310	0.44
Other	.*	No	2,281,544	0.49

## CWE Top 25 defects

ID	CWE-Name	Number of Defects
120 ( <a href="http://cwe.mitre.org/top25/#CWE-120">http://cwe.mitre.org/top25/#CWE-120</a> )	Buffer Copy without Checking Size of Input ('Classic Buffer Overflow')	11
190 ( <a href="http://cwe.mitre.org/top25/#CWE-190">http://cwe.mitre.org/top25/#CWE-190</a> )	Integer Overflow or Wraparound	58

ID	CWE-Name	Number of Defects
676 ( <a href="http://cwe.mitre.org/top25/#CWE-676">http://cwe.mitre.org/top25/#CWE-676</a> )	Use of Potentially Dangerous Function	15

**Outstanding vs Fixed defects over period of time**



## About Coverity Scan Static Analysis

**Find and fix defects in your C/C++, Java, JavaScript or C# open source project for free.**

Coverity Scan tests every line of code and potential execution path. The root cause of each defect is clearly explained, making it easy to fix bugs.

Would you like to view the project defects, or help improve its quality by fixing defects?

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